

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L5	1822	72/149-157,214-219.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/28 14:11
L6	24	72/149-157,214-219.ccls. and spiral and circ\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/28 14:29
L7	8	72/149-157,214-219.ccls. and (spiral with circ\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/28 14:37
L8	5	("1714083"   "3584492"   "4416136"   "4537053").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/28 14:20
L9	2	("4038853"   "4236398").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/28 14:24
L10	5	("4416136").URPN.	USPAT	OR	ON	2007/01/28 14:28
L11	162	72/159.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/28 14:29
L12	180	72/157.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/28 14:29
L13	8	72/149-157,159,214-219.ccls. and (die with chang\$4 with shap\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/28 14:29
L14	8	72/149-157,159,214-219.ccls. and (spiral with circ\$4)	USOCR	OR	ON	2007/01/28 14:43
L15	8	72/149-157,159,214-219.ccls. and (spiral with circ\$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2007/01/28 14:43
L18	4	("2489772"   "4492304"   "4498890").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/28 15:55
L19	6	("0975721"   "3343880"   "3515013").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/28 16:18
L20	5	("3515013").URPN.	USPAT	OR	ON	2007/01/28 16:28

## EAST Search History

L21	7	"2730998"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/28 16:28
L22	11	"623283"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/28 16:28
L23	6	("4492304").URPN.	USPAT	OR	ON	2007/01/28 16:46
L24	5	("1288550"   "2355003"   "3951254"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/28 16:47
L25	216	474/140.ccls. and ((guide or guard) with chain)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/28 16:59
L26	263	"72"/\$.ccls. and (u with shap\$2 with tube)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/28 17:00
L27	42	"72"/\$.ccls. and (u with shap\$2 with tube with cross with section)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/28 17:00
L28	3	("1288550").URPN.	USPAT	OR	ON	2007/01/28 17:11
S1	2	10/611842	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/22 13:47
S2	219	72/149.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/23 12:23
S3	15	72/149.ccls. and ("90" with degrees)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/23 10:17
S4	2	"72"/\$.ccls. and (clothoid)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 11:55
S5	0	"29"/\$.ccls. and (clothoid)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/23 10:18

## EAST Search History

S6	8	(clothoid) and (die)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/23 10:20
S7	25	(clothoid) and (bend\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/22 14:06
S8	4	(clothoid) with (pipe or tube)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/23 10:27
S9	45	72/218.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/23 10:51
S10	942	72/214-219.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/23 14:56
S11	0	"138"/\$.ccls. and clothoid	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/23 10:58
S12	34108	"138"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/23 11:28
S13	2	72/149.ccls. and (spiral with die)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/23 12:23
S14	854	72/149-157.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/23 14:33
S15	16	72/149-157.ccls. and spiral	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/23 14:33
S16	2	"20040142306"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/09/23 14:56
S17	2	"72"/\$.ccls. and (clothoid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/29 16:41

## EAST Search History

S18	0	"29"/\$.ccls. and (clothoid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/03 11:56
S19	214	(clothoid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/03 12:04
S20	30	(clothoid) and pipe	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/03 12:04
S21	40	(clothoid) and (pipe or tube)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/03 13:34
S22	3	("4957278").URPN.	USPAT	OR	ON	2006/04/03 12:19
S23	6377	field.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 12:19
S24	27	"72"/\$.ccls. and field.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 13:27
S25	2	(bend\$6 with clothoid) and (pipe or tube)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/03 13:29
S26	7	(pipe with bend) and (spiral same arcuate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 13:36
S27	22	(pipe with bend) and (spiral same arcuate)	USOCR	OR	ON	2006/04/03 13:49
S28	311	"72"/\$.ccls. and die and (circ\$7 and spiral)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 13:50
S29	130	"72"/\$.ccls. and die and (circ\$4 with spiral)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/03 14:02

## EAST Search History

S30	4	("1922110"   "2578229").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/03 13:54
S31	1	("3823598").URPN.	USPAT	OR	ON	2006/04/03 13:54
S32	10	"72"/\$.ccls. and (die with circ\$4 with spiral with section)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/03 14:08
S33	674	72/467.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/03 14:04
S34	8	"72"/\$.ccls. and (die with circ\$4 with spiral with portion)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/03 14:09
S35	6469	field.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/29 16:31
S36	0	(dave with field).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/29 16:31
S37	91	(david with field).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/29 16:37
S38	589	72/369.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/29 16:37
S39	5	(pipe or tube) with clothoid	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/22 13:59
S40	2	"5306212".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/22 14:01
S41	2	"72"/\$.ccls. and clothoid	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/22 14:02

## EAST Search History

S42	0	"148"/\$.ccls. and clothoid	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/22 14:02
S43	2	(clothoid) and (bend\$6)	USOCR	OR	ON	2006/08/22 14:06
S44	0	pipe with (circular or circle) with clothoid	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/06 15:56
S45	0	pipe with (circular or circle) with clothoid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/06 16:08
S46	30	pipe and clothoid	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/06 16:08
S47	626	pipe with (circular or circle) with spiral	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/06 16:09
S48	88	pipe with (circular or circle) with spiral with portion	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/06 16:52
S49	182	tube with (circular or circle) with spiral with portion	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/06 16:52
S50	2	"4068705".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/26 17:22
S51	6	((pip\$4 or tub\$4) with clothoid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/26 19:22
S52	6799	field.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/26 17:26

## EAST Search History

S53	97	(david with field).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/26 17:26
S54	2	"72"/\$.ccls. and (david with field).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/26 19:20
S55	2	"5463888".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/26 19:20
S56	236	(clothoid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/26 21:27
S57	7	("4043382"   "4424855"   "4476915"   "4953614"   "6129137"   "6155332"   "6276436").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/26 19:25
S58	0	("6607021").URPN.	USPAT	OR	ON	2007/01/26 19:26
S59	4	"72"/\$.ccls. and (die with (clothoid or spiral) with circl\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/26 21:28
S60	8	"72"/\$.ccls. and (die with (clothoid or spiral) with circl\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/26 21:31
S61	48	((clothoid or spiral) with transition\$4 with circl\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/26 21:32
S62	1	("5306212").URPN.	USPAT	OR	ON	2007/01/26 21:44
S63	4	("2489772"   "4492304"   "4498890"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/26 21:51
S64	0	474/140.ccls. and (tub\$4 with guide with channel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/26 21:52
S65	9	474/140.ccls. and (tub\$4 with guide)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/28 16:50

## EAST Search History

S66	6	("0975721"   "3343880"   "3515013"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/26 21:54
S67	93	"474"/\$.cccls. and ( chain with tub\$4 with guide)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/26 21:56
S68	2	"474"/\$.cccls. and ( chain with tub\$4 with guide) and conveyor	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/26 21:55
S69	3	"474"/\$.cccls. and ( chain with tub\$4 with guide) and conveyor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/26 21:55
S70	6	("0975721"   "3343880"   "3515013"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/26 21:57
S71	5	("3515013").URPN.	USPAT	OR	ON	2007/01/26 21:57